

D

C

B

A

4.3 TEST METHODS.

4.3.1.1 TOTAL WATER CONTENT TEST. TRANSFER AN ACCURATELY WEIGHED 10 TO 20 GM PORTION OF THE SAMPLE TO A PREVIOUSLY IGNITED AND TARED PORCELAIN CRUCIBLE. HEAT THE CRUCIBLE AND CONTENTS IN A MUFFLE FURNACE MAINTAINED AT $600 \pm 50^{\circ}\text{C}$ FOR TWO HOURS. REMOVE FROM MUFFLE FURNACE AND COOL IN A DESICCATOR FOR APPROXIMATELY ONE HOUR. REWEIGH THE SAMPLE. CALCULATE THE TOTAL WATER CONTENT AS FOLLOWS:

A = WEIGHT OF SAMPLE (gm)
B = WEIGHT OF IGNITED SAMPLE (gm)

4.3.1.3 FOREIGN MATERIAL TEST. SPREAD THE REMAINDER OF THE SAMPLE ON A FLAT SURFACE AND VISUALLY EXAMINE IT FOR EVIDENCE OF FOREIGN MATERIALS. VISUALLY EXAMINE THE RESIDUE FROM STEP 4.3.1.2 FOR EVIDENCE OF FOREIGN MATERIAL.

4.3.2.1 DETERMINATION OF ACID NUMBER. THE ACID NUMBER SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D1980.

4.3.2.3 DETERMINATION OF HYDROXYL VALUE. THE HYDROXYL VALUE SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D1957.

4.3.2.5 DETERMINATION OF IODINE NUMBER. THE IODINE NUMBER SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D1959, EXCEPT THAT CHLOROFORM SHALL BE USED INSTEAD OF CARBON TETRACHLORIDE.

4.3.2.7 DETERMINATION OF VISCOSITY. THE VISCOSITY SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D2669.

$$\% \text{ EXUDATION} = \frac{A - C}{A - B} \times 100$$

THE TEST SHALL BE RUN IN TRIPPLICATE AND CLOSE AGREEMENT OF THE INDIVIDUAL RESULTS SHALL BE OBTAINED.

4.3.3.1 DETERMINATION OF SOFTENING POINT. THE SOFTENING POINT SHALL BE DETERMINED IN ACCORDANCE WITH ASTM E28.

4.3.3.3 DETERMINATION OF SAPONIFICATION NUMBER. THE SAPONIFICATION NUMBER SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D464.

4.3.4.1 THE PROCESS OF MIXING THE FILLER E SHALL BE VERIFIED BY IN-PROCESS INSPECTIONS.

5.1 PACKAGING. PACKING THE FINISHED FILLER E SHALL BE IN ACCORDANCE WITH ASTM D3951.

6. NOTES
INFORMATION FOR GUIDANCE ONLY. (THIS SECTION CONTAINS
INFORMATION OF A GENERAL OR EXPLANATORY NATURE THAT IS
HELPFUL, BUT IS NOT MANDATORY.)

FILLER E	SIZE	CAGE NO.	DWG. NO.	REV.
	D	53711	7449543	—
DRAWN B. DELMAR (S)				
ISSUED 02/07/19		SCALE NONE	UNIT WT.	SHEET 2 OF 2